GORDON RESEARCH CONFERENCE

Structural Macromolecules: Collagen

Colby-Sawyer College

June 24 - 28, 1991

Monday 9:00 a.m.

GENE EXPRESSION I

Discussion leader: Klaus Kuhn
Max Planck Institute for Biochemistry
Martinsried, Munich, FRG

Proposed topics and discussants:

B. de Chrombrugghe	Regulation of types I and III collagen genes.
Y. Yamada	Control of type II collagen gene expression in vitro and in transgenic mice.
E. Poeschl	Modulation of bidirectional transcription in the type IV collagen genes.

Monday 7:00 p.m.

GENE EXPRESSION II

Discussion leader: Sherrill Adams
Department of Anatomy
University of Pennsylvania

Proposed topics and discussants:

B. Olsen	Type IX collagen, a transcriptional example of functional diversity.
K. Kratochwil	Expression of α1(I) collagen gene in osteoblasts and odontoblasts of the MOV-13 mouse.

Tuesday 9:00 a.m.

DEVELOPMENT AND GENETICS I

Discussion leader: Francesco Ramirez
Brookdale Center for Molecular Biology
Mount Sinai School of Medicine

Source: https://www.industrydocuments.ucsf.edu/docs/yxyv0000

Proposed topics and discussants:

J. Fessler	Drosophila basement membrane genes.
J. Kramer	Genetics of cuticle nematode collagens.
M. Solursh	The extracellular matrix in early sea urchin development.

Tuesday 7:00 p.m.

DEVELOPMENT AND GENETICS II

Discussion leader: Richard Mayne
University of Alabama, Birmingham

Proposed topics and discussants:

K. Von der Mark	Vertebrate organogenesis.
P. Ekblom	ECM in kidney development.

Wednesday 9:00 a.m.

COLLAGEN STRUCTURE AND FUNCTION

Discussion leader: Rupert Timpl
Max-Planck-Institut fur Biochemie

Proposed topics and discussants:

M. L. Chu	Structure and function of new collagen genes.
K. Tryggvason	New α-chains of type IV collagen and Alport syndrome.
R. Burgeson	Anchoring filaments.

Wednesday 7:00 p.m.

CELL-MATRIX INTERACTIONS

Discussion leader: Kenneth Yamada
National Institute of Dental Research, NIH.

Proposed topics and discussants:

D. Cheresh	Cell surface receptors and ECM ligands specificty.
C. Buck	Mutagenesis of integrins, functional analyses.

Source: https://www.industrydocuments.ucsf.edu/docs/yxyv0000

Thursday 9:00 a.m.

ECM REMODELING

Discussion leader: Stephen Krane
Massachusetts General Hospital
Arthritis Unit, Boston.

Proposed topics and discussants:

G. Murphy	The role of metalloproteinases in extracellular matrix degradation.
C.Brinckenhoff	Collagenases and cytokines in ECM remodeling.
P. Herrlich	Regulation of collagenase transcription.

Thursday 7:00 p.m. Special Lecture

Dr. C. Nusslein-Volhard

"Axis determination in the Drosophila embryo"

Friday 9:00 a.m.

TRANSGENIC MODELS FOR HUMAN DISEASES

Discussion leader: Darwin Prockop
Jefferson University
Dept. Biochemistry
Philadelphia

Proposed topics and discussants:

R. Jaenish	Osteogenesis imperfecta-like phenotype in the MOV13 mouse.
E. Vuorio	Type II collagen mutations in transgenic mice.
K. Chada	Emphysema in transgenic mice expressing an exogenous collagenase gene.

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